



Reply To: 3460

Date: December 8, 1992

Mr. Thomas Mountain
Erie National Wildlife Refuge
USDA Fish and Wildlife Service
RD #1, Woodduck Lane
Guys Mills, PA 16327

Dear Mr. Mountain:

On October 28, 1992, USDA Forest Service personnel conducted a gypsy moth egg mass survey at Erie National Wildlife Refuge. The purpose of this survey was to determine gypsy moth population densities and to assess the potential for defoliation and the need for treatment in 1993.

The results of the survey are presented in Table 1. The survey plot locations are shown in Figures 1 and 2. In brief, egg mass densities in the Sugar Lake Division ranged from 0-360 and averaged 131 egg masses per acre while egg mass densities in the Seneca Division ranged from 0-1120 and averaged 411 egg masses per acre. No noticeable defoliation is expected at the Sugar Lake Division in 1993 while only small areas of light to moderate defoliation (1-60 percent), are likely to occur in the Seneca Division.

If the defoliation in the Seneca Division conflicts with the management objectives at Erie National Wildlife Refuge, we recommend treating the infested areas with a single application of Bacillus thuringienses (B.t.) applied at the rate of 24 BIUs per acre. No treatment is necessary in the Sugar Lake Division.

If you have any questions or require additional information, please call me at 304-285-1541.

Sincerely,

RODNEY L. WHITEMAN
Forestry Technician
Forest Health Protection

Enclosures

cc: AO
Allen Carter
Larry Rhoads
Heynn Sandiescin, GM Cooridnator, Crawford County
Lynn Sandieson, GM Coordinator, Crawford County



Table 1 -- Gypsy Moth Egg Mass Survey Results at Erie National Wildlife Refuge, October 28, 1992.

Plot Number	EM/Acre	Division
1	80	Sugar Lake
2	200	"
3	0	"
4	80	"
5	160	"
6	0	"
7	40	"
8	0	"
9	360	"
10	280	"
11	240	"

Range = 0-360 EM/Acre

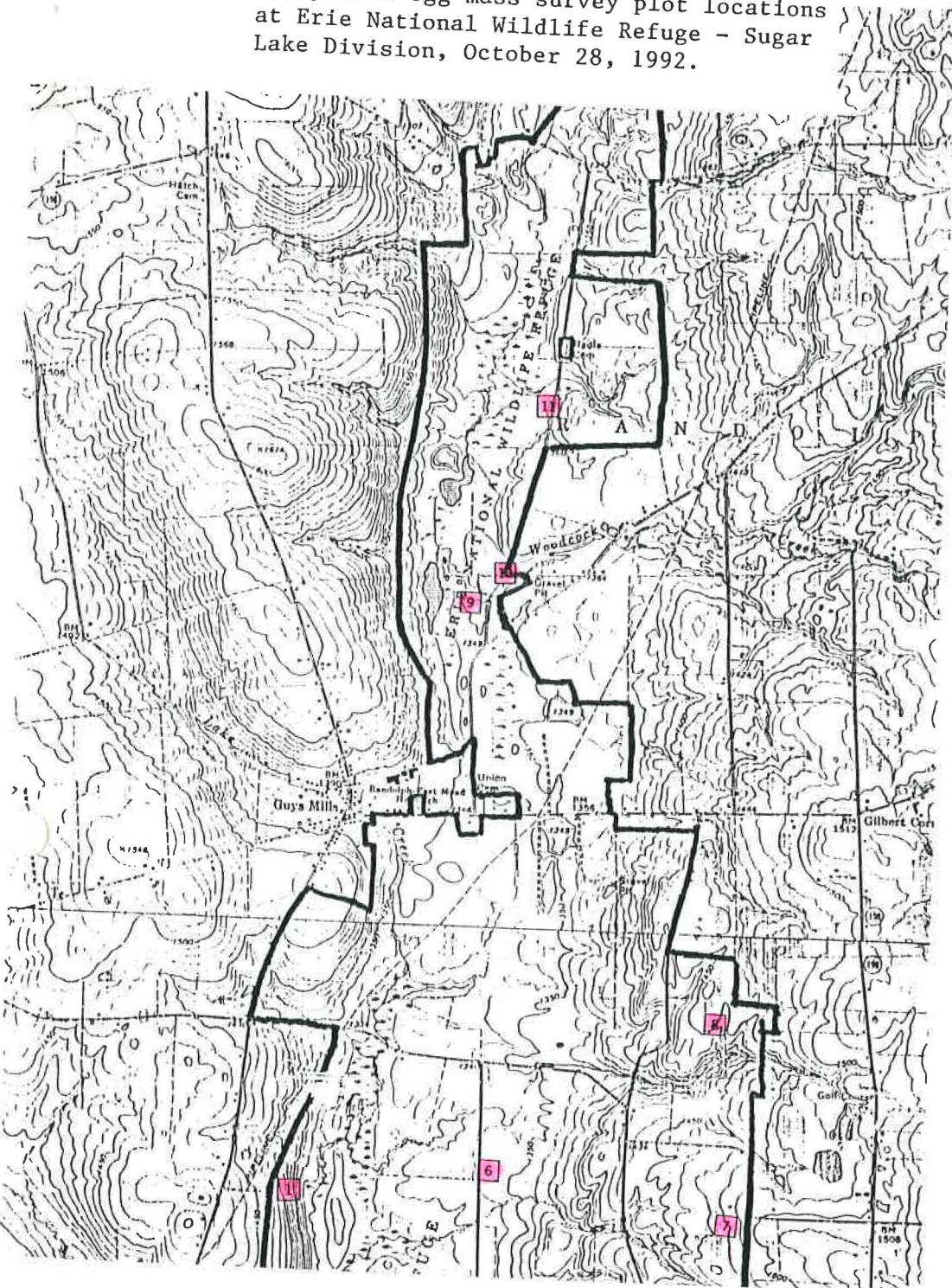
Average = 131 EM/Acre

12	0	Seneca
13	120	"
14	120	"
15	120	"
16	840	"
17	1120	"
18	560	"

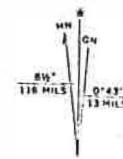
Range = 0-1120 EM/Acre

Average = 411 EM/Acre

Figure 1. -- Gypsy moth egg mass survey plot locations at Erie National Wildlife Refuge - Sugar Lake Division, October 28, 1992.



ERIE NATIONAL
WILDLIFE REFUGE



SCALE

1 MILE

Figure -- Gypsy moth egg mass survey plot locations at Erie National Wildlife Refuge-Seneca Division, October 28, 1992.

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